

FIG. 2

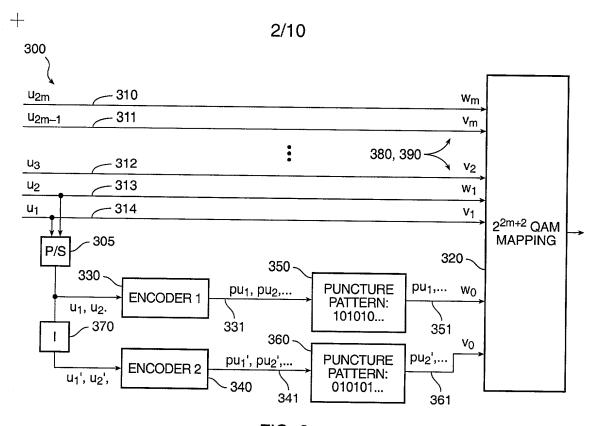


FIG. 3

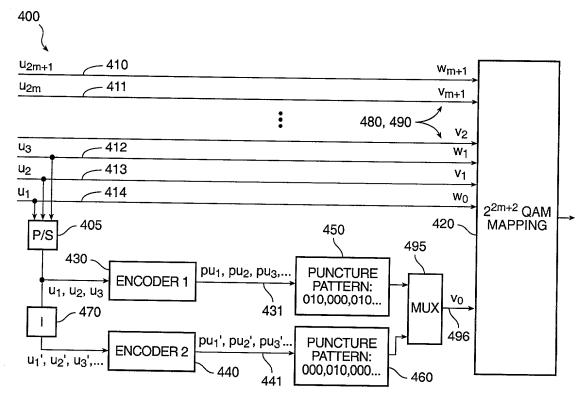
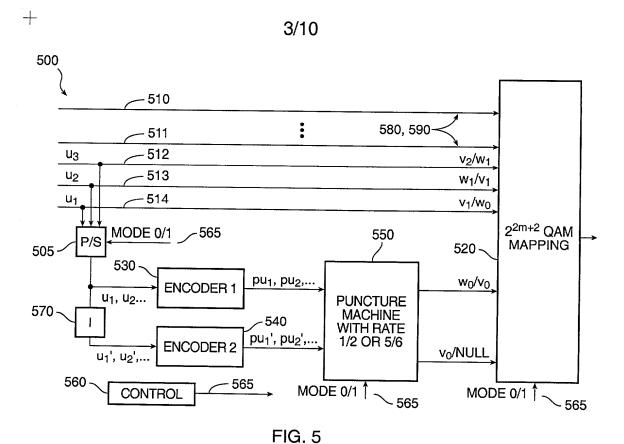
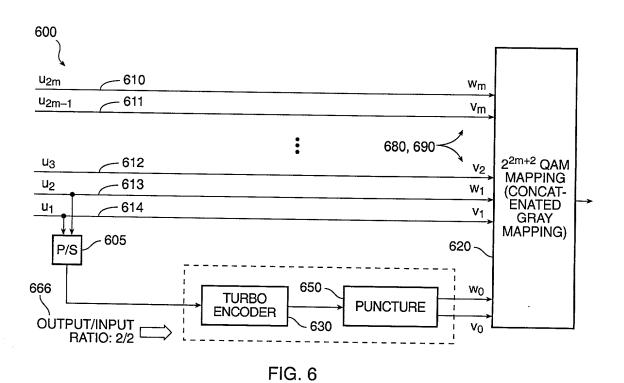


FIG. 4





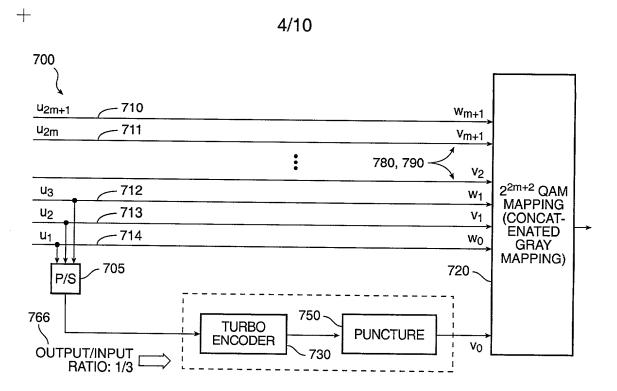
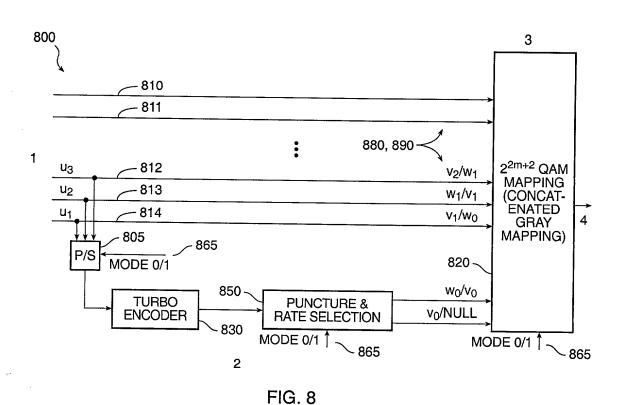
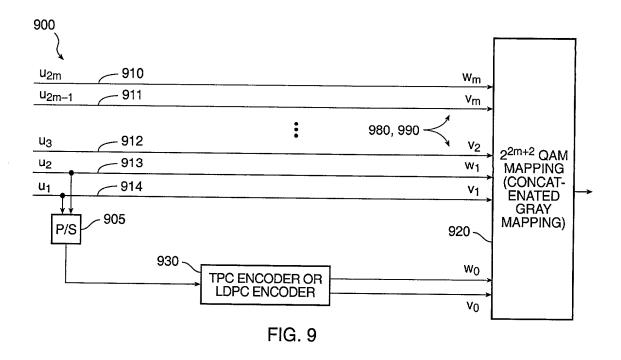
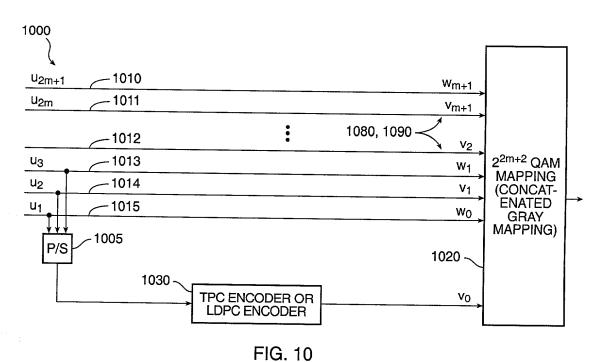


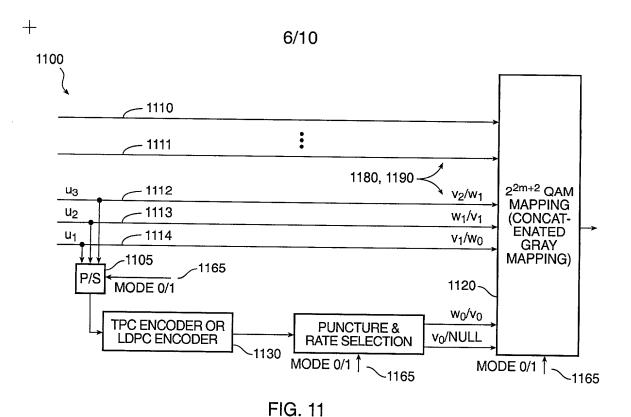
FIG. 7







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1200 $u_{2\underline{m}} \\$ 1210 w_{m} 1211 u_{2m-1} ٧m 1280, 1290 1212 U4 W_2 1213 Uз ٧2 1214 u_2 W₁ -1215 u_1 V₁ 2^{2m+2} QAM MAPPING 1205 1250 PARALLEL/SERIAL 1220~ 1230 **PUNCTURE** pu₁,... _{W0} pu₁, pu₂,... **ENCODER 1** PATTERN: - 1231 u₁, u_{2,...} 1000100... 1270 1251 1260-1240 V0 **PUNCTURE** pu₂',... pu₁', pu₂',... **ENCODER 2** PATTERN: u₁', u₂',.. 00100010... 1241 1261

FIG. 12



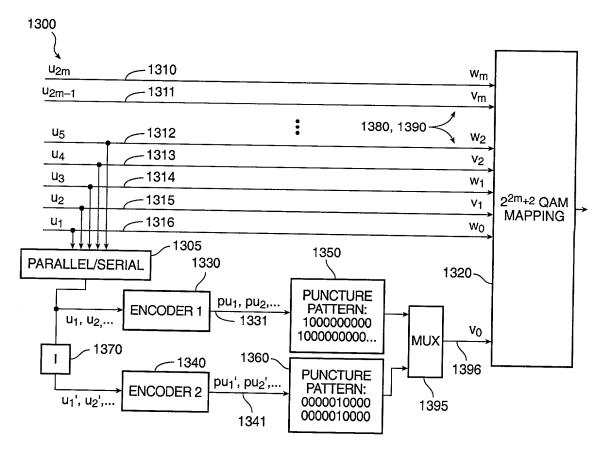
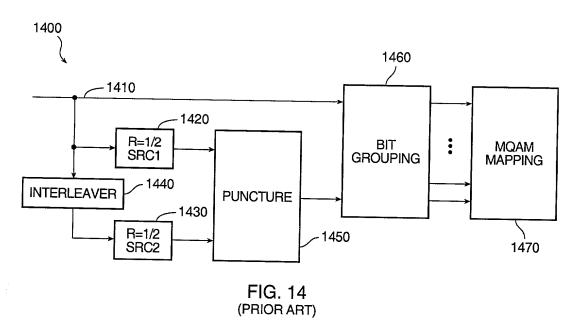
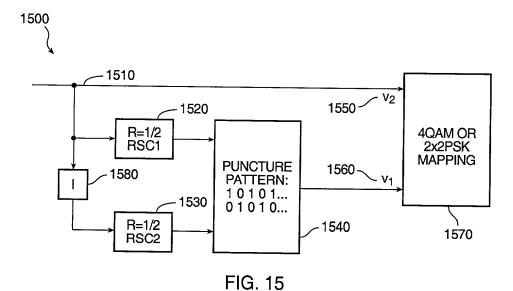


FIG. 13

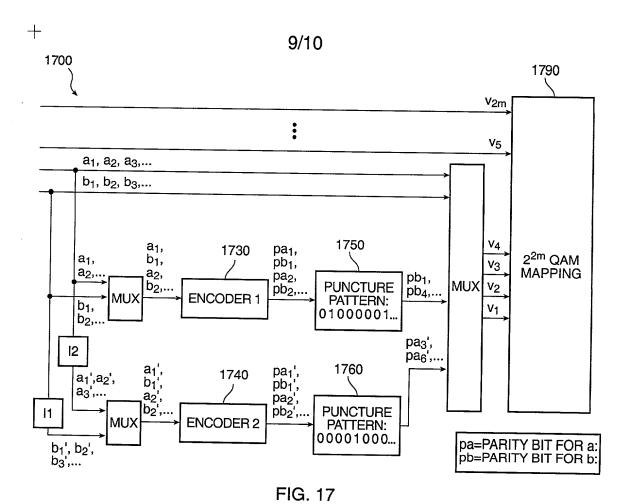






1600 V₂m ٧5 a₁, a₂, a₃,... 1610 ٧4 b₁, b₂, b₃,... 1620 ۷з 1690 -1650 1630 2^{2m} QAM MAPPING a₁, a₁, b₁, a₂,... pa₁, pb₁, pa₁, a₂, b₂,... PUNCTURE PATTERN: pa₂, pb₂,... pa₂,... **ENCODER 1** MUX b₁, 1010... ٧2 b₂,.. 1670 12 1660 1680 1640 a₁',a₂', ٧1 a₃',... pa₁', pb₁', pa₂', pb₂',... pb₁', pb₂',... **PUNCTURE** MUX **ENCODER 2** PATTERN: a₁', b₁', a₂', b₂',... 0101... pa=PARITY BIT FOR a: b₁', b₂', b₃',... pb=PARITY BIT FOR b:

FIG. 16



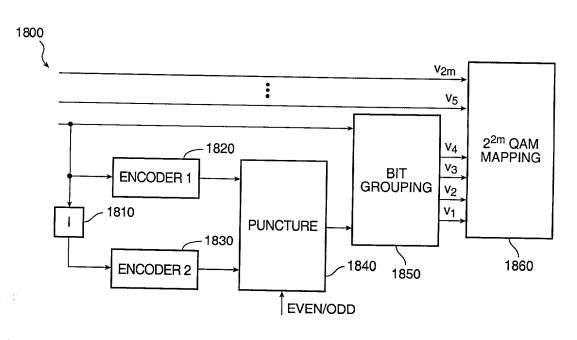


FIG. 18

